

WEST BRANCH SUSQUEHANNA RIVER BASIN

01550000 LYCOMING CREEK NEAR TROUT RUN, PA

LOCATION.--Lat 41°25'06", long 77°01'59", Lycoming County, Hydrologic Unit 02050206, on right bank 150 ft upstream from bridge on Township Route 840, 0.5 mi downstream from Grays Run, and 2.6 mi northeast of Trout Run.

DRAINAGE AREA.--173 mi².

PERIOD OF RECORD.--December 1913 to current year.

REVISED RECORDS.--WSP 756: Drainage area. WSP 921: 1933, 1934(M), 1935-39. WSP 1302: 1914-16, 1922(M), 1932-25, 1926(M), 1927-28, 1930, 1931(M). WSP 1502: 1920-21(M), 1932(M), 1933.

GAGE.--Water-stage recorder. Datum of gage is 693.95 ft above sea level. Prior to June 1, 1939, nonrecording gage at site 150 ft downstream at same datum.

REMARKS.--Records good except those for periods June 10-24 and July 6 to Sept. 30, which are fair, and those for estimated daily discharges and the period June 25 to July 5, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 2,900 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Jan. 24	0930	*8,360	*11.03	Sept. 16	2145	3,640	7.60
Mar. 4	0230	6,560	9.83	Sept. 30	0730	3,910	7.83

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e14	e18	e35	e24	265	202	779	172	58	66	36	13
2	e13	e18	e33	e22	490	174	1040	161	56	98	26	12
3	e14	e18	e31	e37	537	307	852	152	59	82	21	9.6
4	e19	e17	e28	e50	473	3460	802	145	58	61	18	8.5
5	e17	e17	e26	e45	443	1360	660	139	54	50	15	7.9
6	e14	e17	e27	e38	379	942	515	132	50	42	14	10
7	e13	e17	e25	e36	340	652	445	128	48	38	12	1240
8	e50	e17	e25	e34	311	481	377	142	46	33	12	301
9	e90	e17	e25	e36	269	409	514	224	48	31	14	167
10	e82	e22	e25	e38	256	381	617	182	53	44	11	149
11	e70	e40	e25	e40	248	325	482	153	46	42	11	125
12	e50	e60	e23	42	312	290	524	139	40	36	9.1	101
13	e40	e50	e21	46	368	258	437	131	42	37	8.5	87
14	e36	e40	e21	47	279	242	383	124	44	32	14	97
15	e33	e33	e19	65	247	231	344	116	46	27	16	131
16	e28	e32	e19	67	258	224	346	109	43	25	12	800
17	e24	e31	e19	66	292	291	385	104	49	22	11	1850
18	e23	e30	e19	78	300	653	332	99	72	20	10	626
19	e22	e29	e19	333	262	582	293	95	68	19	10	391
20	e21	e29	e19	213	236	499	285	90	58	20	26	304
21	e21	e29	e21	171	214	545	256	84	51	18	39	341
22	e20	e28	62	196	e170	556	238	80	49	20	34	283
23	e19	27	114	860	e170	462	245	81	49	20	26	231
24	e18	27	82	5630	164	470	339	90	46	19	20	200
25	e18	32	64	2130	155	544	261	111	44	18	18	177
26	e18	36	56	1100	150	472	241	97	42	25	19	159
27	e18	46	e45	722	143	458	225	87	38	28	24	148
28	e18	45	e37	565	166	520	209	79	135	22	21	145
29	e18	39	e32	520	---	611	196	73	105	18	19	150
30	e18	e36	e28	394	---	681	183	67	84	17	17	1970
31	e18	---	e26	303	---	681	---	62	---	22	14	---
TOTAL	877	897	1051	13948	7897	17963	12805	3648	1681	1052	557.6	10234.0
MEAN	28.3	29.9	33.9	450	282	579	427	118	56.0	33.9	18.0	341
MAX	90	60	114	5630	537	3460	1040	224	135	98	39	1970
MIN	13	17	19	22	143	174	183	62	38	17	8.5	7.9
CFSM	.16	.17	.20	2.60	1.63	3.35	2.47	.68	.32	.20	.10	1.97
IN.	.19	.19	.23	3.00	1.70	3.86	2.75	.78	.36	.23	.12	2.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1999, BY WATER YEAR (WY)

MEAN	158	301	307	275	296	592	626	388	204	113	87.7	103
MAX	983	1044	1003	1095	1082	1788	1783	979	1488	674	812	776
(WY)	1991	1927	1997	1996	1981	1936	1993	1919	1972	1915	1994	1975
MIN	7.65	13.4	26.4	20.5	37.8	160	132	74.8	18.0	16.0	10.3	6.25
(WY)	1965	1965	1965	1931	1931	1969	1946	1941	1991	1964	1964	1964

e Estimated.

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01550000 LYCOMING CREEK NEAR TROUT RUN, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1914 - 1999	
ANNUAL TOTAL	102002.8		72610.6		287	
ANNUAL MEAN	279		199		491	
HIGHEST ANNUAL MEAN					124	
LOWEST ANNUAL MEAN					1978	
HIGHEST DAILY MEAN	4630	Jan 8	5630	Jan 24	e15000	Jan 19 1996
LOWEST DAILY MEAN	e9.2	Sep 24	7.9	Sep 5	4.0	Sep 19-24 1936a
ANNUAL SEVEN-DAY MINIMUM	b10	Sep 18	11	Aug 31	4.1	Sep 18 1936
INSTANTANEOUS PEAK FLOW			c8360	Jan 24	c32000	Jan 19 1996
INSTANTANEOUS PEAK STAGE			11.03	Jan 24	d22.68	Jan 19 1996
INSTANTANEOUS LOW FLOW					3.2	Sep 27 1936
ANNUAL RUNOFF (CFSM)	1.62		1.15		1.66	
ANNUAL RUNOFF (INCHES)	21.93		15.61		22.55	
10 PERCENT EXCEEDS	692		494		665	
50 PERCENT EXCEEDS	94		56		140	
90 PERCENT EXCEEDS	16		18		25	

- a Also Sept. 27, 28, 1936 and Sept. 1, 1968.
- b Computed using estimated daily discharges.
- c From rating curve extended above 5,300 ft³/s on basis of slope-area measurement of peak flow.
- d From floodmark in gage.
- e Estimated.

